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**United States Patent** [19]

Kelman

[11] **Patent Number:** 5,190,552[45] **Date of Patent:** Mar. 2, 1993[54] **SLOTTED TUBE INJECTOR FOR AN INTRAOCULAR LENS**[76] **Inventor:** Charles D. Kelman, 721 Fifth Ave., New York, N.Y. 10022[21] **Appl. No.:** 830,693[22] **Filed:** Feb. 4, 1992[51] **Int. Cl.<sup>5</sup>** ..... A61B 17/00[52] **U.S. Cl.** ..... 606/107; 606/108[58] **Field of Search** ..... 606/107, 108; 604/15, 604/16, 17, 18, 311, 232, 233; 623/6[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57] **ABSTRACT**

An injector formed of a slotted tube is partially inserted via its front end in a minimum size eye incision to inject a temporarily folded intraocular lens having opposed haptics extending from its periphery, into the eye without stressing the incision. Holding and locking mechanisms serve to fold the lens into the tube rear end with the haptics protruding from the tube slot so as not to be jammed in the tube, and to unfold the lens out of the tube front end in the eye for release, all in controlled manner, and so as to avoid patient trauma from stress on the incision or contact of the unfolding lens with the inner wall of the cornea or other eye parts.

**13 Claims, 3 Drawing Sheets**